

Title (en)
SIMPLIFIED LIFT MECHANISM FOR A PACKAGING MACHINE

Title (de)
VEREINFACHTER HEBEMECHANISMUS FÜR EINE VERPACKUNGSMASCHINE

Title (fr)
MÉCANISME DE LEVAGE SIMPLIFIÉ POUR MACHINE D'EMBALLAGE

Publication
EP 3502513 A1 20190626 (EN)

Application
EP 18189053 A 20180814

Priority

- US 201816102116 A 20180813
- US 201762545025 P 20170814

Abstract (en)
A lift mechanism for simplifying the raising and lowering of a machine component has a base and a frame structure. The lift mechanism may include a lift arrangement interposed between the base and the frame structure that allows for the raising and lowering of the frame structure about a single lift point. The lift mechanism may also include various shafts, drive members, links, and arms, which in combination translate rotational movement of a motor into linear vertical motion. For instance, a drive link and an arm may be rotatably attached to one another, as well as a drive shaft and a second shaft. Additionally, a drive member may be associated with the motor. In operation, the drive member may be rotated by the motor, and a drive belt transmits rotation of the drive member to the drive shaft, the second shaft, the drive link, and the arm.

IPC 8 full level
F16H 21/44 (2006.01)

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Citation (applicant)
US 7934362 B2 20110503 - BUCHKO RAYMOND G [US], et al

Citation (search report)

- [XII] EP 2218575 A1 20100818 - MULTIVAC HAGGENMUELLER GMBH [DE]
- [XA] US 2003042862 A1 20030306 - O'CONNOR KEVIN N [US], et al
- [XA] US 5517805 A 19960521 - EPSTEIN MOSHE [US]

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US 10961093 B2 20210330; **US 2019047834 A1 20190214**; AU 2018217222 A1 20190307; AU 2018217222 B2 20220825; BR 102018016596 A2 20190910; CA 3014169 A1 20190214; EP 3502513 A1 20190626; MX 2018009850 A 20190307; NZ 745274 A 20211029

DOCDB simple family (application)
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